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September 2008 Communications of the ACM

Publisher: ACM

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 2 [ABASH: finding bugs in bash scripts](#)

Karl Mazurak, Steve Zdancewic

June 2007 PLAS '07: Proceedings of the 2007 workshop on Programming security

Publisher: ACM

 Full text available: [Pdf](#) (262.29 KB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

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This paper describes the design and implementation of ABASH, a tool for finding bugs in bash scripts. Although it makes no formal guarantee, it reduces the number of spurious warnings (largely due to the ...

Keywords: abstract interpretation, bash, scripting languages

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 3 [Experiences of using wearable computers for ambient telepresence](#)

Mikael Drugge, Marcus Nilsson, Roland Parviainen, Peter Parnes

 October 2004 ETP '04: Proceedings of the 2004 ACM SIGMM workshop on ETP
 Publisher: ACM

 Full text available: [Pdf](#) (1.11 MB) Additional Information: [full citation](#), [abstract](#), [bibliography](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 72, Citation

We present our experiences of using wearable computers for providing ambient telepresence to members of an e-meeting. Using a continuously running e-meeting system and informal studies and observations, this form of ...

Keywords: ambient telepresence, mobile e-meetings, remote interaction

 4 [E-governance in trade facilitation: transparency and ICT as prerequisite](#)

Paul Kimberley

December 2007 ICEGOV '07: Proceedings of the 1st international conference on

electronic governance

Publisher: ACM

Full text available:  Pdf (177.89 KB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 226, Citation


Trade facilitation is a generic term applied to the procedures and technical controls that facilitate domestic trade into global supply chains. While there are other aspects becoming progressively more important. The objective ...

Keywords: customs, data standards, e-governance, interconnection, information security, supply chain security, technical controls, trade, transparency

- 5 [Bridging context management systems for different types of pervasive computing](#)
Cristian Hesselman, Hartmut Benz, Pravin Pawar, Fei Liu, Maarten Wegdarm, Jacco Brok

February 2008 MOBILEWARE '08: Proceedings of the 1st international conference on MobileWARE, Operating Systems, and Applications

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Science)


Full text available:  Pdf (250.49 KB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 132, Citation


A context management system is a distributed system that enables applications to manage information about (mobile) users and forms a key component of any pervasive computing system. Context management systems are however very environment-specific.

Keywords: bridging, context management, interoperability

- 6 [Labels and event processes in the Asbestos operating system](#)
 Steve Vandeboegart, Petros Elstathopoulos, Eddie Kohler, Maxwell Krohn, Oege de Kamshoek, Robert Morris, David Mazières

December 2007 Transactions on Computer Systems (TOCS), Volume 25 Issue 4

Publisher: ACM

Full text available:  Pdf (1.21 MB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 59, Downloads (12 Months): 302, Citation

Asbestos, a new operating system, provides novel labeling and isolation mechanisms to mitigate the effects of exploitable software flaws. Applications can express a wide range of policies using Asbestos's kernel-enforced labels, including controls on resource access, process scheduling, and network communication.

Keywords: Information flow, labels, mandatory access control, process scheduling, servers

- 7 [Interworking of traders in a distributed computing environment](#)
Michael J. Katchabaw, Meeta M. Khurana, James W. Hong, Michael A. Baue

November 1995 CASCON '95: Proceedings of the 1995 conference of the Canadian Society for Collaborative research

Publisher: IBM Press


Full text available:  Pdf (117.52 KB)

Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 19, Citation (

Distributed computing systems are composed of various types of service efficient distributed computing environment largely depends on the effective services. One important aspect of managing services within ...

8 [Developing adaptive groupware applications using a mobile component](#)

 [Radu Litlu, Atul Parakash](#)

December 2000 CSCW '00: Proceedings of the 2000 ACM conference on Collaboration work

Publisher: ACM

Full text available:  Pdf (168.38 KB) Additional Information: [full citation](#), [abstract](#), [terms](#)



Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 66, Citation (

A need exists to develop groupware systems that adapt to available resources and mobility. This paper presents DACIA, a system that provides mechanisms for developing applications. Using DACIA, components of a groupware application ...

9 [Dynamic and selective combination of extensions in component-based](#)

[Eddy Truyen, Bari Vanhaute, Bo Nørregaard Jørgensen, Wouter Joosen, Pieter](#) July 2001 I CSE '01: Proceedings of the 23rd International Conference on Software Engineering

Publisher: IEEE Computer Society

Full text available:  Publisher Site ,  Pdf (227.52 KB) Additional Information: [full citation](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 32, Citation (



Support for dynamic and client-specific customization is required in many (distributed) applications as consisting of a minimal functional core — a core-based system, and an unbound set of potential ...

10 [Projections into the world: service avatars as ambient intelligence objects](#)

 [Mike Kuniavsky](#)


July 2005 interactions , Volume 12 Issue 4

Publisher: ACM

Full text available:  Html (11.40 KB),  Pdf (292.86 KB) Additional Information: [full citation](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 49, Citation (

11 [The Jupiter audio/video architecture: secure multimedia in networked](#)

 [Pavel Curtis, Michael Dixon, Ron Frederick, David A. Nichols](#)

January 1995 MULTIMEDIA '95: Proceedings of the third ACM international conference on Multimedia


Publisher: ACM

Full text available:  Html (72.37 KB) Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 32, Citation (

Keywords: audio, collaboration, encryption, multicast, network places, security


12 [Design and evaluation of a conflict-based continuous consistency model](#)

 [Haifeng Yu, Amin Vahdat](#)

August 2002 Transactions on Computer Systems (TOCS) , Volume 20 Issue 4

Publisher: ACM

Full text available: Additional Information:

 Pdf (406.85 KB)


[full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 161, Citation (0)

The tradeoffs between consistency, performance, and availability are well understood, and yet, however, designers of replicated systems have been forced to choose from a variety of consistency guarantees or none at all. This paper explores the ...

Keywords: Conit, consistency model, continuous consistency, network replication

13 [People-centric urban sensing](#)

 [Andrew T. Campbell, Shane B. Eisenman, Nicholas D. Lane, Emiliano Miluzzo](#)
August 2006 WICON '06: Proceedings of the 2nd annual international workshop on
Publisher: ACM

Full text available:  Pdf (249.73 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 280, Citation (0)

The vast majority of advances in sensor network research over the last few years have been the development of a series of small-scale (100s of nodes) testbeds and sensor networks (e.g., environmental monitoring, etc.) that are built on ...

Keywords: mobile wireless sensor networks, people-centric, urban sensing

14 [CORBA Program Development, Part 3](#)


[J. Mark Shacklette, Jeff Illian](#)
July 1999 Linux Journal , Volume 1999 Issue 63es
Publisher: Specialized Systems Consultants, Inc.


Full text available:  Html (25.42 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 20, Citation (0)

A look at CORBA implementations in Java to provide interoperability between

15 [A parallel, incremental and concurrent GC for servers](#)

 [Yoav Ossia, Ori Ben-Yitzhak, Irit Gofri, Elliot K. Kolodner, Victor Leikehman](#)
June 2002 PLDI '02: Proceedings of the ACM SIGPLAN 2002 Conference on Programming Language Design and Implementation
Publisher: ACM

Full text available:  Pdf (231.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 51, Citation (0)


Multithreaded applications with multi-gigabyte heaps running on modern hardware face significant challenges for garbage collection (GC). The challenges for "server-oriented" GC include handling large memory spaces on a multi-gigabyte heap, while minimizing ...

Keywords: JVM, Java, concurrent garbage collection, garbage collection, weak ordering

Also published in:



May 2002 SIGPLAN Notices Volume 37 Issue 5

16 [IT security: protecting organizations in spite of themselves](#)

 [David A. Siegel](#), [Bill Reid](#), [Susan M. Dray](#)


May 2006 [interactions](#), Volume 13 Issue 3

Publisher: ACM

Full text available:  [Html](#) (30.50 KB),  [Pdf](#) (257.63 KB) Additional Information: [full citation](#)

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June 2007 [ICAL '07: Proceedings of the 11th international conference on](#)


Publisher: ACM

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Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 55, Citation (

Documentation is essential to daily legal practice. On-line access is currently imposed by an information service provider with respect to access and use to determine the value of such documentation. This paper ...

18 [A distributed data space for music-related information](#)

 [Yves Raimond](#), [Christopher Sutton](#), [Mark Sandler](#)

September 2007 [MS '07: Workshop on multimedia information retrieval on semantics](#)

Publisher: ACM

Full text available:  [Pdf](#) (620.90 KB) Additional Information: [full citation](#), [abstract](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 106, Citation (

In this paper, we describe how some key Semantic Web technologies can be used in a distributed knowledge environment several music-related sources of information to feature extractors or personal music collections. ...

Keywords: MIR, multimedia, music, semantic-web

19 [Cooperative scans: dynamic bandwidth sharing in a DBMS](#)

[Marcin Zukowski](#), [Sándor Héman](#), [Niels Nes](#), [Peter Boncz](#)

September 2007 [VLDB '07: Proceedings of the 33rd international conference on](#)

Publisher: VLDB Endowment

Full text available:  [Pdf](#) (462.51 KB) Additional Information: [full citation](#), [abstract](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 78, Citation (

This paper analyzes the performance of concurrent (index) scan operations and column (DSM) disk storage models and shows that existing scheduled data-sharing opportunities and therefore result in ...

20 [Delay aware querying with Seaweed](#)

[Dushyanth Narayanan](#), [Austin Donnelly](#), [Richard Mortier](#), [Antony Rowstron](#)

March 2008 [The VLDB Journal — The International Journal on Very Large Data Bases](#)

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (852.03 KB)

Additional Information: [full citation](#), [abstract](#), [i](#)

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Large highly distributed data sets are poorly supported by current query
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